

APR 2 2 2002

TECH UENIER 1600/2900



1600

#7

1634

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/680,310

DATE: 04/11/2002 TIME: 13:20:50

Input Set : A:\seq-lst.txt

Output Set: N:\CRF3\04112002\1680310.raw

| | | Output Set: N:\CRF3\04112002\I680310.raw | |
|------------|-----|---|-------------|
| | | | ENTERED |
| | | <110> APPLICANT: Elischweski, Frank | |
| | 6 | Kalinowski, Jorn | |
| | 8 | Puhler, Alfred | |
| | 10 | Dusch, Nicole | |
| | 12 | Dohmen, Jurgen | |
| | 14 | Farwick, Mike | |
| | 16 | Thierbach, Georg | anthothonia |
| | | <120> TITLE OF INVENTION: Process for the Preparation of Pa | anthothenic |
| | 20 | Acid by Amplification of Nucleotide Sequences which | |
| | 21 | Code for Ketopantoate Reductase | |
| | 24 | <130> FILE REFERENCE: 21123/268418 | |
| | 26 | <140> CURRENT APPLICATION NUMBER: 09/680,310 | |
| | | <141> CURRENT FILING DATE: 2000-10-06 | |
| | | <160> NUMBER OF SEQ ID NOS: 18 | |
| | | <170> SOFTWARE: PatentIn version 3.0 | |
| | | <210> SEQ ID NO: 1 | |
| | | <211> LENGTH: 41 | |
| | | <212> TYPE: DNA | |
| C> | | <213> ORGANISM: Artificial | |
| | | <220> FEATURE: | |
| | | <223> OTHER INFORMATION: palsmid linker region | |
| | | <400> SEQUENCE: 1 | 41 |
| | | gaattcagat ccgcggccgc aaagaggaga aattaactat g | |
| | | <210> SEQ ID NO: 2 | |
| | | <211> LENGTH: 12 | |
| <i>a</i> \ | | <212> TYPE: DNA <213> ORGANISM: Artificial | |
| C> | | <220> FEATURE: | |
| | | <pre><223> OTHER INFORMATION: plasmid linker region</pre> | |
| | | <400> SEQUENCE: 2 | |
| | | ctgcagacta ga | 12 |
| | | <210> SEQ ID NO: 3 | |
| | | <211> LENGTH: 20 | |
| | . — | <212> TYPE: DNA | |
| | | <213> ORGANISM: Escherichia coli | |
| | | <400> SEQUENCE: 3 | |
| | | agaagcacaa catcacgagg | 20 |
| | | <210> SEO ID NO: 4 | |
| | | <211> LENGTH: 20 | |
| | | <212> TYPE: DNA | • |
| | 88 | <213> ORGANISM: Escherichia coli | |
| | | <400> SEQUENCE: 4 | |
| 1 | | ctccaggaga aggcttgagt | 20 |
| 1 | | | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/680,310

DATE: 04/11/2002
TIME: 13:20:50

Input Set : A:\seq-lst.txt

Output Set: N:\CRF3\04112002\1680310.raw

| 95 <210> SEQ ID NO: 5 97 <211> LENGTH: 20 99 <212> TYPE: DNA 101 <213> ORGANISM: Escherichia of 104 <400> SEQUENCE: 5 105 aggaggacaa tgaaaattac 108 <210> SEQ ID NO: 6 110 <211> LENGTH: 20 | coli | 20 |
|--|------|----|
| 112 <212> TYPE: DNA 114 <213> ORGANISM: Escherichia of 117 <400> SEQUENCE: 6 118 tcagtctctt cactaccagg 121 <210> SEQ ID NO: 7 123 <211> LENGTH: 20 125 <212> TYPE: DNA | coli | 20 |
| 127 <213> ORGANISM: Escherichia of 130 <400> SEQUENCE: 7 131 aggatacgtt atgaaaccga 134 <210> SEQ ID NO: 8 136 <211> LENGTH: 20 138 <212> TYPE: DNA | coli | 20 |
| 140 <213> ORGANISM: Escherichia of 143 <400> SEQUENCE: 8 144 acaacgtgac tccttaatgg 147 <210> SEQ ID NO: 9 149 <211> LENGTH: 20 | coli | 20 |
| 151 <212> TYPE: DNA 153 <213> ORGANISM: Escherichia of 156 <400> SEQUENCE: 9 157 aggagtcacg ttgtgttaat 160 <210> SEQ ID NO: 10 162 <211> LENGTH: 20 | coli | 20 |
| 164 <212> TYPE: DNA 166 <213> ORGANISM: Escherichia of 169 <400> SEQUENCE: 10 170 aagtattacg ccagctcgac 173 <210> SEQ ID NO: 11 175 <211> LENGTH: 20 | coli | 20 |
| 177 <212> TYPE: DNA 179 <213> ORGANISM: Escherichia o 182 <400> SEQUENCE: 11 183 aggtagaagt tatgattcgc 186 <210> SEQ ID NO: 12 188 <211> LENGTH: 20 | coli | 20 |
| 190 <212> TYPE: DNA 192 <213> ORGANISM: Escherichia o 195 <400> SEQUENCE: 12 196 taacaatcaa gcaacctgta 199 <210> SEQ ID NO: 13 | coli | 20 |

RAW SEQUENCE LISTING DATE: 04/11/2002 PATENT APPLICATION: US/09/680,310 TIME: 13:20:50

Input Set : A:\seq-lst.txt

Output Set: N:\CRF3\04112002\1680310.raw

| | 201 | <211> LENGTH: 20 | |
|----|-----|---|----|
| | 203 | <212> TYPE: DNA | |
| | 205 | <213> ORGANISM: Escherichia coli | |
| | | <400> SEQUENCE: 13 | |
| | | tgctctctct caacgccgaa | 20 |
| | | <210> SEQ ID NO: 14 | 20 |
| | 214 | <211> LENGTH: 20 | |
| | 216 | <212> TYPE: DNA | |
| | 218 | <213> ORGANISM: Escherichia coli | |
| | 221 | <400> SEQUENCE: 14 | |
| | | gaagccgcca accaggataa | 20 |
| | 225 | <210> SEQ ID NO: 15 | |
| | | <211> LENGTH: 62 | |
| | 229 | <212> TYPE: DNA | |
| | 231 | <213> ORGANISM: Saccharomyces cerevisiae | |
| | 234 | <400> SEQUENCE: 15 | |
| | 235 | gcgcgaattc agatccgcgg ccgcaaagag gagaaattaa ctatgactgc accacacaga | 60 |
| | 237 | ag | 62 |
| | 240 | <210> SEQ ID NO: 16 | |
| | | <211> LENGTH: 36 | |
| | | <212> TYPE: DNA | |
| | 246 | <213> ORGANISM: Saccharomyces cerevisiae | |
| | | <400> SEQUENCE: 16 | |
| | 250 | cgcgactagt ctgcagtcag tcctttctcc agtcac | 36 |
| | | <210> SEQ ID NO: 17 | |
| | | <211> LENGTH: 16 | |
| | | <212> TYPE: DNA | |
| C> | | <213> ORGANISM: Artificial | |
| | | <220> FEATURE: | |
| | 263 | <223> OTHER INFORMATION: sequencing primer | |
| | | <400> SEQUENCE: 17 | |
| | | gaagtcatcg aaatag | 16 |
| | | <210> SEQ ID NO: 18 | |
| | | <211> LENGTH: 17 | |
| | | <212> TYPE: DNA | |
| C> | | <213> ORGANISM: Artificial | |
| | | <220> FEATURE: | |
| | | <223> OTHER INFORMATION: sequencing primer | |
| | | <400> SEQUENCE: 18 | |
| | 204 | tcgtttctgt ctttttc | 17 |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/680,310 TI

DATE: 04/11/2002 TIME: 13:20:51

Input Set : A:\seq-lst.txt

Output Set: N:\CRF3\04112002\1680310.raw

L:41 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1 L:58 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2 L:259 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17 L:276 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18